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DUPPLICATE 4

AN 1997:111102 BIOSIS

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TI DELTA-IK17: An antigen expressed on human lymphocytes.

AU Sotiriadou, R.; Kokkinopoulos, D.; Stinios, J.; Dimas, C.; Trangas, T.; Perez, S. [Reprint author]

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SO International Journal of Biological Markers, (1996) Vol. 11, No. 4, pp. 183-189.

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DT Article

LA English

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AB Anti-DELTA-IK17 monoclonal antibody was produced by fusing SP2/0/Agl4 myeloma with spleen cells of BALB/c mice immunized with normal human thymocytes. A DELTA-IK17 antibody recognizes a 44 kD cell surface protein detected on human lymphocytes. DELTA-IK17 is expressed on human thymocytes, CD4+ and CD8+ T cell subsets, B, NK cells, as well as on activated cells. The antigen is detected on cells during the early, intermediate and late stages of lymphocyte maturation. In addition the expression of the antigen is correlated with ontogenesis. A T+ DELTA-IK17+ subpopulation responded poorly to TPA stimulation and provided a better helper signal for PWM-induced IgM synthesis than T- DELTA-IK17-cells. In addition, different levels of DELTA-IK17 expression were detected in several hematological diseases tested.

CC Cytology - Human 02508

Biochemistry studies - Proteins, peptides and amino acids 10064

Blood - Lymphatic tissue and reticuloendothelial system 15008

Immunology - Immunopathology, tissue immunology 34508

IT Major Concepts

Biochemistry and Molecular Biophysics; Blood and Lymphatics (Transport and Circulation); Cell Biology; Clinical Endocrinology (Human Medicine, Medical Sciences)

IT Miscellaneous Descriptors

BIOCHEMISTRY AND BIOPHYSICS; BLOOD AND LYMPHATICS; DELTA-DIK17 ANTIGEN; IMMUNE SYSTEM; LYMPHOCYTES

ORGN Classifier

Hominidae 86215

Super Taxa

Primates; Mammalia; Vertebrata; Chordata; Animalia

Organism Name

human

Taxa Notes

Animals, Chordates, Humans, Mammals, Primates, Vertebrates